

COMMENCEMENT

# NORTH DAKOTA STATE UNIVERSITY

WINTER 2021



# SOCIAL MEDIA GUIDE

Join the virtual commencement celebration on social media.

Be sure to tag NDSU and use the hashtag #NDSUGrad in your posts.

Also feel free to share our updates from the following platforms:

**Facebook**

Post to your own timeline and use #NDSU.

**Twitter**

Our handle is @NDSU.

**Instagram**

You can find us under “North Dakota State University.”

Congratulations to all #NDSUGrads. You have achieved your goal of earning a degree and we wish you the very best in the future! Thank you for being part of the commencement conversation on social media. #NDSUGrad

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## THIS PROGRAM IS NOT AN OFFICIAL GRADUATION LIST.

While every effort is made to ensure accuracy in this Commencement program, printing deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This printed program, therefore, should not be used to determine a student’s academic or degree status. The university’s official registry for conferral of degrees is the student’s permanent academic record, kept by the Office of Registration and Records.



# NDSU NORTH DAKOTA STATE UNIVERSITY

WINTER COMMENCEMENT  
DECEMBER 17, 2021

President Dean L. Bresciani presiding

**PROCESSIONAL** . . . . . **POMP AND CIRCUMSTANCE**, EDWARD ELGAR  
North Dakota State University Brass Ensemble  
Dr. Jeremy Brekke, Conductor

**PRESENTATION OF THE COLORS** . . . . . **NDSU AIR FORCE AND ARMY ROTC BATTALION**

**THE NATIONAL ANTHEM** . . . . . **THE STAR-SPANGLED BANNER**, FRANCIS SCOTT KEY  
North Dakota State University Brass Ensemble  
Dr. Jeremy Brekke, Conductor  
2 p.m. Brady Ritland  
5 p.m. Julie Ly

*Please remove your caps and remain standing until after the singing of the National Anthem.*

**WELCOME AND REMARKS** . . . . . **PRESIDENT BRESCIANI**

**INTRODUCTION OF STUDENT SPEAKER** . . . . . **DEAN DAVID BERTOLINI**  
College of Arts, Humanities and Social Sciences  
2 p.m. ceremony  
**SENIOR ASSOCIATE DEAN DANIEL FRIESNER**  
College of Health Professions  
5 p.m. ceremony

**STUDENT ADDRESS** . . . . . **LAUREN SAMPSON**  
Graduating Class Representative  
2 p.m. ceremony  
**EMILY OMVIG**  
Graduating Class Representative  
5 p.m. ceremony

**ADMINISTRATION OF OATH  
TO SECOND LIEUTENANT CANDIDATES** . . . . . **LTC JARED N. FERGUSON**  
Professor of Military Science  
2 p.m. ceremony

**PRESENTATION OF CANDIDATES FOR DEGREES . . . . . DR. MARGARET FITZGERALD**  
Provost

**CONFERRAL OF HONORARY DOCTORATE . . . . . PRESIDENT BRESCIANI**  
William Goetz  
Honorary Doctorate of Business  
*5 p.m. ceremony*

**CONFERRAL OF DEGREES . . . . . PRESIDENT BRESCIANI**

**PRESENTATION OF COLLEGES**  
**2 P.M.**

Graduate and Interdisciplinary Studies | pg. 10 . . . . . Interim Dean Benton Duncan  
Arts, Humanities and Social Sciences | pg. 13 . . . . . Dean David Bertolini  
Engineering | pg. 19 . . . . . Dean Michael Kessler  
Human Sciences and Education | pg. 25 . . . . . Co-Interim Deans Jill Nelson and Jim Deal

**5 P.M.**  
Agriculture, Food Systems, and Natural Resources | pg. 11 . . Vice President, Dean and Director Greg Lardy  
Business | pg. 16 . . . . . Dean Scott Beaulier  
Health Professions | pg. 23 . . . . . Senior Associate Dean Daniel Friesner  
Science and Mathematics | pg. 28 . . . . . Dean Kimberly Wallin

**CLOSING REMARKS . . . . . PRESIDENT BRESCIANI**

**NDSU SCHOOL SONG . . . . . THE YELLOW AND THE GREEN, MINARD-PUTNAM**  
*2 p.m. Brady Ritland*  
*5 p.m. Julie Ly*

**RECESSIONAL . . . . . THE CROWNING GLORY, ALFRED REED**  
North Dakota State University Brass Ensemble  
Dr. Jeremy Brekke, Conductor

*Please remain seated until the recessional concludes.*



## WILLIAM G. GOETZ

### *Honorary Doctorate of Business*

William Goetz, former Chancellor of the North Dakota University System, has left an indelible mark on the state during his lengthy and distinguished career in public service.

Goetz was chancellor from 2007 to 2012, overseeing 11 institutions and a \$1 billion budget. As chancellor, he brokered a new strategic plan for the system and opened lines of communication and academic relationships with tribal colleges and the system's campuses.

"It was very rewarding to be chancellor – a humbling appointment that gave me a tremendous opportunity to address some strong convictions I had about higher education," he said.

In 1997, he was named Chief of Staff for Gov. Ed Shafer, and remained in the position for 10 years, continuing in the job after John Hoeven's election as governor. In that role, he was the communication liaison between the governor's office and 17 reporting agencies. He also held constituent meetings and was the governor's representative on numerous occasions. In 1999, he was an appointed member of the North Dakota Higher Education Roundtable.

He previously represented District 37 in Dickinson, North Dakota, as a state senator for eight years and as a state representative for 12 years. As a senator, he served as assistant majority leader and was a member of the Appropriations Committee. During his time as a representative, he was assistant majority leader, vice chair of the House Finance and Tax Committee, caucus chair for two sessions and a member of the Natural Resources Committee and Agriculture Committee. In other legislative service, he was a member of the Science, Technology and Resource Planning Committee.

"My professional life was made possible in large part by the love, teamwork and support of my wife, Marion, and loving children – Marcia, Paul and Mark," Goetz said.

From 1967 to 1997, he worked at Dickinson State University, holding several positions, including executive vice president of the DSU Foundation, chief academic officer of the School of Business, Business Challenge campus coordinator, Elderhostel campus coordinator and associate professor in the School of Business and Management.

His honors include the GNDA North Dakota Educator of the Year in 1990, Hydro Award from the Dickinson Area Chamber of Commerce in 1991 for his work with the Southwest Water Project, North Dakota National Guard State Meritorious Service Award and 2013 Bismarck State College Alumnus of the Year.

Goetz earned his Associate of Arts degree at Bismarck State College, Bachelor of Arts degree from Minot State University and Master of Arts degree in business at the University of North Dakota.

# CANDIDATES FOR APPOINTMENT TO SECOND LIEUTENANT

## DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC) COMMISSIONEES

**Dominic Heazlett**

*Michigan Army National Guard*

**Colton Jarvinen**

*Wisconsin Army National Guard*

## DEPARTMENT OF AEROSPACE STUDIES (AIR FORCE ROTC) COMMISSIONEE

**Canton L. Matson**

*Air Force, Active Duty*

**Jacob R. Spanier**

*Air Force, Active Duty*



# CLASS REPRESENTATIVE

## **Lauren Sampson** 2 P.M. CEREMONY

Sampson is earning a Bachelor of Science degree while double majoring in music and mathematics. An outstanding student, she was named to the Dean's List every semester she attended NDSU. She received numerous scholarships, including the Ronald M. Mathsen Scholarship, Mathematics Scholarship Endowment Fund, Phyllis and Robert Anderson Scholarship in memory of A. Glenn Hill, Gene and Sue Jackson Scholarship, Anthony Hentges Gold Star Marching Band Scholarship, Kiefer-Riba Scholarship and Presidential Honor Award. She was president of Sigma Alpha Iota music fraternity and Gold Star Marching Band vice president and bass drum section leader. In addition, she was a member of the NDSU Wind Symphony, NDSU Curling Club and Bison Guides. Sampson also was an invited student panel member for the NDSU Foundation to discuss the Wind Symphony's 2019 trip to central Europe. A native of Edmore, North Dakota, she is the daughter of Owen and Valerie Sampson. Her career plans include government service, focusing on defense or intelligence.

## **Emily Omvig** 5 P.M. CEREMONY

Omvig is graduating with a Bachelor of Science in nursing. Highly active during her collegiate career, she was president of the Nursing Christian Fellowship, a board member of the Student Nurses Association, a member of the Nursing Guides and a member of an intramural women's basketball championship team. She also was an oncological research assistant in the biology department and served as a laboratory mentor. Her honors include being named Student Nurse of the Year for 2020-2021, and earning the North Dakota Future Nurse Scholarship, Jonelle and Birch Burdick Nursing Scholarship and the Presentation Sisters Scholarship. Omvig had an internship and practicum at CHI St. Alexius Health in Bismarck, North Dakota. A native of Bismarck, she is the daughter of Kenton and Lisa Omvig. Her immediate goal is to be a registered nurse in an emergency department, with the hope to one day continue her education.

# SOLOIST

## **Brady Ritland** 2 P.M. CEREMONY

Ritland is earning his Bachelor of Music in vocal music education with a minor in instrumental music education. While at NDSU, he performed leading and ensemble roles in multiple operas and musicals. Ritland, who is from Grand Forks, North Dakota, was a student soloist for NDSU's "Messiah" performances, the tenor section leader in the NDSU Concert Choir and Madrigal Singers and was commissioned by the university to arrange and transcribe pieces for multiple ensembles. In addition, he played double bass/bass guitar in the NDSU Opera Orchestra as well as for many Theater NDSU pit orchestras. He studied voice under Mariane Lemieux-Wottrich and Kelly Burns, and choral conducting under Jo Ann Miller. His career goals include being a high school choir director and eventually earning his master's degree in music and possibly his doctorate in choral conducting.

## **Julie Ly** 5 P.M. CEREMONY

Ly is majoring in music, with a minor in psychology. Ly, who is from West Fargo, studies under Kelly Burns. After starting her opera path as a chorus member in the NDSU production of "Giulio Cesare," Ly starred in "Le Nozze di Figaro" as Cherubino. She recently was the Second Witch in the NDSU Opera production of Purcell's "Dido and Aeneas." Ly has been a member of the BisonArts Singers, Madrigal Singers and Concert Choir. She serves as the Concert Choir's alto section leader and is active in the Challey School of Music Student Council and College Music Society. During her first year at NDSU, Ly won first place in her division at the Minnesota National Association of Teachers of Singing Competition and advanced from the North Central Region to national preliminary round of the National Association of Teachers of Singing Competition. For the future, she is leaving her options open, considering classical performance in opera or chamber ensembles or pursuing music therapy as a career.





# COLLEGE OF GRADUATE AND INTERDISCIPLINARY STUDIES

Candidate will be presented by Interim Dean Benton Duncan and marshaled by Dr. Tim Greives.

## DOCTOR OF PHILOSOPHY

**Tonoy Kumar Das** *Environmental and Conservation Sciences*

“Graphene Oxide Supported Metal Oxide Nanohybrids for Aqueous Arsenic Removal”

Adviser: Dr. Achintya N. Bezbaruah

**Lionel N. Di Santo** *Environmental and Conservation Sciences*

“Evolutionary and Ecological Processes in Conservation and Preservation of Plant Evolutionary Potential”

Adviser: Dr. Jill Hamilton

**Theresa M. Elder** *Materials and Nanotechnology*

“Adhesion with Slender Structures: Tape Loops, Crumples, and Origami”

Adviser: Dr. Andrew B. Croll

**H M Nasrullah Faisal** *Materials and Nanotechnology*

“In-Silico Investigation of Geological and Biological Materials Utilizing Molecular Dynamics (MD) Simulations”

Adviser: Dr. Dinesh Katti

**Amanda R. Peters Haugrud** *Genomics, Phenomics and Bioinformatics*

“Mapping and Characterization of Yield Component Traits and Septoria nodorum Blotch Susceptibility in Wheat”

Advisers: Dr. Justin Faris and Dr. Phillip McClean

**Michael Johnson** *Materials and Nanotechnology*

“Study of New Functionalized Nanomaterials for Non-Invasive Point-of-Care Biosensor Devices”

Adviser: Dr. Danling Wang

**Rahul R. Singh** *Cellular and Molecular Biology*

“Glutathione S-transferase Pi-1 in Pancreatic Cancer Pathogenesis: Mechanistic Insights into its Role in Oxidative Stress, Cell Signaling, and Metabolic Pathways”

Adviser: Dr. Katie Reindl

**Jonathan W. Spiess** *Natural Resources Management*

“Managing for Heterogeneity in the Northern Great Plains Using Patch-Burn Grazing: Implications for Above- and Belowground of Ecosystem Properties and Processes”

Advisers: Dr. Devan McGranahan and Dr. Benjamin Geaumont

## MASTER OF NATURAL RESOURCE MANAGEMENT

**Calandria Jarboe**

**Grace A. Johnson**

**Jared T. Riley**

**Andrew J. Wherley**

## MASTER OF SCIENCE

**Joseph C. Cleys**

*Natural Resource Management*

**Seth A. Jones**

*Natural Resources Management*

**Alison K. Long**

*Environmental and Conservation Sciences*

**Franklin E. Odili**

*Environmental and Conservation Sciences*

**Hannah G. Passolt**

*Environmental and Conservation Sciences*

**Karensa J. Short**

*Natural Resources Management*

**Ryan M. Skiba**

*Genomics, Phenomics and Bioinformatics*

**Nidhi M. Thanki**

*Materials and Nanotechnology*

**Mallory G. White**

*Environmental and Conservation Sciences*

**Mariam Zamani**

*Genomics, Phenomics and Bioinformatics*

# COLLEGE OF AGRICULTURE, FOOD SYSTEMS, AND NATURAL RESOURCES

Candidates will be presented by Dean Gregory Lardy and marshaled by Dr. Todd West.

## DOCTOR OF PHILOSOPHY

**Angela J. Kazmierczak** *Plant Sciences*

“Optimizing Glufosinate for Weed Control in  
Agricultural Systems”

Adviser: Dr. Joseph Ikley

**AGM Rakibuzzaman** *Microbiology*

“Rationally Reconstructed and Attenuated Vaccines  
for Epidemic Response”

Adviser: Dr. Sheela Ramamoorthy

**Carrie E. Werkmeister** *Soil Science*

“The Biogeochemistry of Soil at Depth Within the  
Wetland Landscape of the Prairie Pothole Region”

Adviser: Dr. Larry Cihacek

**Mustapha Yusuf** *Animal Science*

“Understanding the Relationship Between Weather  
Variables, Dry Matter Intake, and Average Daily  
Gain of Beef Cattle”

Adviser: Dr. Marc Bauer

## MASTER OF SCIENCE

**Dylan J. Bartels**

*Range Science*

**Noah J. Carlson**

*Agribusiness and Applied Economics*

**Adam P. Ewald**

*Microbiology*

**Kiersten M. Gundersen**

*Animal Science*

**Michael C. Hamel**

*Range Science*

**Olivia G. Hamilton**

*Plant Pathology*

**Eunhye Hong**

*Plant Pathology*

**Nusrat Jahan**

*Agricultural Engineering*

**John C. Mayer**

*Agricultural and Biosystems Engineering*

**Joseph E. Mettler**

*Plant Sciences*

**Kole Nichols**

*Agribusiness and Applied Economics*

**Brandon R. Olson**

*Cereal Science*

**Wayde J. Pickinpaugh**

*Animal Sciences*

**Binu Rana**

*Horticulture*

**Dustin D. Valez**

*Plant Sciences*

**Devin A. Wirth**

*Plant Sciences*

**Jeremy Zwinger**

*Agribusiness and Applied Economics*

## BACHELOR OF SCIENCE

**Aurora R. Amend**

*Natural Resources Management*

**Trey R. Balvitsch**

*Crop and Weed Sciences*

• **Kamala Barringer**

*Veterinary Technology*

**Zachery C. Bellmore**

*Animal Science*

• **Hailey R. Bichler**

*General Agriculture*

**Hannah L. Brekke**

*Animal Science*

**Riley J. Breuer**

*Crop and Weed Sciences*

**Parker C. Bush**

*Crop and Weed Sciences*

••• **Vincent W. Carruth**

*Crop and Weed Sciences*

• **Costner L. Ching**

*General Agriculture*

• **Caleb P. Chruszcz**

*Crop and Weed Sciences*

•• **Connor A. Clemetson**

*Crop and Weed Sciences*

**Clint O. Coleman**

*Agricultural Economics*

**Isabelle Creager**

*Natural Resources Management*

**Isaac K. Cuchna**

*Natural Resources Management*

•• **Heather M. Davis**

*Natural Resources Management*

**Aaron L. Deike**

*Crop and Weed Sciences*

••• **Wyatt P. Dopp**

*Crop and Weed Sciences*

**Kirsten I. Erickson**

*Food Science*

• **Kevin J. Friedt**

*Horticulture*

•• **Nicolle A. Fuka**

*Natural Resources Management*

**Maison G. Funk**

*Agricultural Economics*

**Makayla R. Gardner**

*Animal Science*

• **Madelynne E. Gonzales**

*Veterinary Technology*

**Andrew J. Harmon**

*Horticulture*

•• **Susan E. Hart**

*Crop and Weed Sciences*

**Morgan L. Hasler**  
*Crop and Weed Sciences*

•• **Anyssa K. Hayden**  
*Economics*

• **Brenna V. Heitmann**  
*Veterinary Technology*

**Benjamin P. Hemann**  
*Food Science*

•• **Alyssa J. Henson**  
*Veterinary Technology*

**Nolan D. Hintz**  
*Crop and Weed Sciences*

**Kadey M. Holm**  
*Animal Science*

•• **Molly A. Holt**  
*Animal Science*

**Emily R. Holzer**  
*Microbiology*

**Kali J. Johnson**  
*Agricultural Economics*

**Rachel H. Johnson**  
*Animal Science*

**Rylee J. Kanne**  
*Veterinary Technology*

•• **Emily I. Kath**  
*Horticulture*

**Jacob M. Kinnischtzke**  
*Agricultural Economics*

**Thomas R. Klein**  
*Agricultural Economics*

•• **Troy A. Knudson**  
*Agricultural Economics*

**Sophia K. Koehler**  
*Animal Science*

**Samuel J. Kropacek**  
*Economics*

•• **Abigail G. Larson**  
*Animal Science*

**Grace C. Lech**  
*Animal Science*

**Jacob M. Leier**  
*Animal Science*

**Weston B. Lopez**  
*Agricultural Economics*

• **Zachary M. Lynnes**  
*Agricultural Economics*

• **Sadie N. Maruskie**  
*Animal Science*

••• **Corey Mayer**  
*Natural Resources Management*

**Robert C. McClellan**  
*Natural Resources Management*

•• **Jack G. McCrory**  
*Agricultural Economics*

**Lakota J. Mollohan**  
*Animal Science*

**Tyler N. Moscho**  
*Agricultural Economics*

**Christin M. Nelson**  
*Equine Science*

**Luke A. Newell**  
*Agricultural Economics*

**Allison N. Nord**  
*Animal Science*

*Agricultural Education*

• **Elizabeth Olson**  
*Economics*

**Landon D. Overbo**  
*Precision Agriculture*

**Jacob C. Peterson**  
*Economics*

•• **Nathan J. Peterson**  
*Crop and Weed Sciences*

**Madison N. Radtke**  
*Animal Science*

**Owen D. Rajdl**  
*Crop and Weed Sciences*

**Jessica J. Refshaw**  
*Agribusiness*

•• **Lily K. Rodgers**  
*Microbiology*

**Benjamin A. Saewert**  
*Agricultural Economics*

**Jacob S. Scheresky**  
*Agricultural Economics*

• **Jessica R. Schwartz**  
*Agribusiness*

**Jayna L. Sigurdson**  
*Agribusiness*

• **Kenna B. Solberg**  
*Veterinary Technology*

**Hallie R. Sorensen**  
*Agricultural Economics*

• **Zackery S. Steinberger**  
*Agribusiness*

**Nicolas M. Stolp**  
*Natural Resources Management*

• **Nathan P. Strong**  
*Agribusiness*

••• **Kelsey A. Stumvoll**  
*Crop and Weed Sciences*

**Brita F. Swenson**  
*Agribusiness*

**Benjamin A. Vetsch**  
*Agricultural Systems Management*

**Jessica L. Vig**  
*Crop and Weed Sciences*

**Tyler B. Voightman**  
*Precision Agriculture*

**McKenzie D. Volk**  
*Animal Science*

**Lance A. Weiser**  
*Crop and Weed Sciences*

**Alexander R. Willette**  
*Crop and Weed Sciences*

• **Elise R. Wolters**  
*Animal Science*

•• **Caden G. Wurzbacher**  
*Economics*

••• **Katelyn C. Youngs**  
*Crop and Weed Sciences*

# COLLEGE OF ARTS, HUMANITIES AND SOCIAL SCIENCES

Candidates will be presented by Dean David Bertolini and marshaled by Ryan Scoble.

## DOCTOR OF PHILOSOPHY

**Clarence A. Herz** *History*

“A History of North Dakota’s Petroleum Industry:  
1917–2017”

Adviser: Dr. Tom Isern

**Amanda C. Watts** *Rhetoric, Writing and Culture*

“Plural Publics, Human Objects, and Plastic Places:  
A Rhetorical Approach to Human Remains  
Display in Museum Collections”

Adviser: Dr. Mary McCall

## DOCTOR OF MUSICAL ARTS

**Xiang Wei** *Music*

“The Development and Dissemination of the  
Collaborative Piano Program from the United  
States to China”

Adviser: Dr. Tyler Wottrich

**Matthew P. Winarski** *Music*

“Pedagogy and Representation: A Pedagogical  
Approach for Introducing Secondary and  
Collegiate Students to the Wind Band  
Compositions of Three Underrepresented  
Composers: William Grant Still (1895–1978), Julie  
Giroux (b. 1961), and Carlos Chávez (1899–1978)”

Adviser: Dr. Warren Olfert

## MASTER OF ARCHITECTURE

**Christopher A. Utt**

## MASTER OF ARTS

**Syeda S. Akter**

*English*

**David R. Hubin**

*Anthropology*

**Alexander J. Menke**

*Criminal Justice*

**McKenna M. Wegner**

*English*

**Clair H. Willden**

*English*

## MASTER OF MUSIC

**Taylor A. Heinzen**

**Cecelia Lauermann**

**Mary B. Maynard**

**Andrew R. Nicholson**

**Xiang Wei**

## MASTER OF SCIENCE

**Natalie Aa Basta**

*Anthropology*

**Damaris Bibi**

*Sociology*

**Jill Caputi**

*Emergency Management*

**Brianna M. Gunka**

*Community Development*

**Debarati Kole**

*Sociology*

**Kathryn E. Strand**

*History*

## BACHELOR OF ARTS

••• **Kobi R. Allen**

*History*

*International Studies*

••• **Madison H. Jensen**

*Spanish*

*International Studies*

**Alexis B. Melby**

*English*

## BACHELOR OF FINE ARTS

••• **Izak A. Moleterno**

*Art*

• **Jamie D. Olson**

*Theatre Arts*

**Micheal M. Segroves**

*Art*

• **Hunter L. Seminole**

*Art*

• **Megan R. Tichy**

*Art*

## BACHELOR OF MUSIC

• **Emily A. Ehlis**

**Taylor M. Meeks**

•• **Luke C. Olsby**

••• **Brady Ritland**

••• **Samuel T. Sharpe**

## BACHELOR OF SCIENCE

• **Shkar B. Abdulla**

*Philosophy/Ethics*

*Business Administration*

••• **Meghan J. Arbegast**

*Journalism*

•• **Grant Ayers**

*Journalism*

••• **Alyssa J. Baker**

*Anthropology*



- Jessica D. Bastyr**  
*Art*
- Madalyne N. Beavers**  
*Women and Gender Studies*
- Elizabeth G. Bergen**  
*Political Science*
- Brett K. Berginski**  
*Sociology*
- **Sara M. Blaschke**  
*Criminal Justice*
- **Greta M. Brecht**  
*Strategic Communication*
- **Avangeline G. Brewster**  
*Music*
- **Hope R. Brighton**  
*Emergency Management*
- Alex Brovick**  
*Management Communication*
- Jacob T. Carney**  
*Strategic Communication*
- Yaneth E. Castro**  
*Criminal Justice*
- Latasha S. Dean**  
*Criminal Justice*
- Edwin R. Degges**  
*Art*
- Noelle L. Dew-Tomhave**  
*Criminal Justice*
- **Anna F. Dragseth**  
*Journalism*
- Melanie R. Dumas**  
*Criminal Justice*
- Kelli A. Fiechtner**  
*Strategic Communication*
- Dylan J. Forshey**  
*Journalism*
- **Thomas J. Gryskiewicz**  
*Emergency Management*
- **Sydney P. Harris**  
*Management Communication*
- Kaitlyn A. Hartman**  
*Strategic Communication*
- Brandt G. Haskell**  
*Criminal Justice*
- **Dustin L. Hennings**  
*Criminal Justice*
- **Savanna L. Hoekstra**  
*Management Communication*
- **Josie L. Holzwarth**  
*Strategic Communication*
- Zoe R. Johnson**  
*Political Science*
- **Elizabeth M. Jones**  
*Criminal Justice*
- **Alyssa E. Knain**  
*Strategic Communication*
- **Dantae S. Knudson**  
*Criminal Justice*  
*Political Science*
- M’Kenna J. Krchnavy**  
*Strategic Communication*
- Elizabeth Labuhn**  
*Strategic Communication*
- Mikaela M. Livingstone**  
*Emergency Management*
- **Mercedes D. Loos**  
*Sociology*
- Cameron P. Miller**  
*Emergency Management*
- Zane J. Miller**  
*Emergency Management*
- Nicholas R. Misson**  
*Criminal Justice*
- **Michael F. Mittelstaedt**  
*Emergency Management*
- **Joseph E. Mollet**  
*Anthropology*
- Kiana L. Monkman**  
*Management Communication*
- Jack T. Monson**  
*Strategic Communication*
- Austin M. Morrow**  
*Management Communication*
- **Emma K. Mueller**  
*English*
- William H. Nessa**  
*Strategic Communication*
- **Alec M. Nibaur**  
*Criminal Justice*
- Katherine H. O’Brien**  
*Strategic Communication*
- Andrew Olsen**  
*Sociology*
- **Connor J. Ostendorf**  
*History*
- Haley A. Pacholl**  
*Strategic Communication*
- Miranda L. Pautzke**  
*Theatre Arts*
- Cheyenne N. Peterson**  
*Anthropology*
- **Jesse C. Qualls**  
*Criminal Justice*
- Roshan K. Rai**  
*Anthropology*
- **Tamika J. Ratzak**  
*Art Education*
- **Kaitlyn M. Root**  
*Agricultural Communication*
- Jordan R. Ryan**  
*Sociology*
- **Jasmin M. Sadat**  
*History*
- **Lauren A. Sampson**  
*Music*  
*Mathematics*
- Reid A. Schuerman**  
*Emergency Management*
- Kiri L. Scott**  
*English*
- Nicole E. Scott**  
*Strategic Communication*
- Deavon Shafer**  
*Criminal Justice*
- **Aaron W. Smith**  
*Journalism*
- Phoenix E. Sproles**  
*Management Communication*
- **Kaitlyn M. Stoppler**  
*Sociology*
- **Jaden A. Strand**  
*Art Education*
- Ashleigh L. Stuvland**  
*Criminal Justice*

**Jalen Sundell**

*Criminal Justice*

••• **Katherine E. Taylor**

*Political Science*

**Celia Timm**

*Management Communication*

**Dylan A. Valentini**

*Management Communication*

**Aidan M. Vincent**

*Anthropology*

**Jack R. Whelan**

*Art*

•• **Carly Willoughby**

*Theatre Arts*

**Brandon Wuertz**

*Emergency Management*

BACHELOR OF SCIENCE  
IN ARCHITECTURE

**Jacob R. Saunders**

BACHELOR OF UNIVERSITY STUDIES

**Jeremy J. Ahlers**

**Deanna J. Baron**

**Loren T. Boots**

**Rebecca J. Bradley**

**Dylan T. Crockett**

**Kevin I. Doran**

**Rachel H. Geinert**

**Nanci J. Geyer**

**Andrea M. Golen**

**Crissa M. Grabar**

**Jeremy J. Grinsteinner**

**Hope E. Hagerty**

**Catherine L. Kallander**

**Annika C. Kjar**

**Hunter S. Koep**

**Hayden L. Martineau**

**Ayla L. Mathre**

**Christopher D. Miller**

**Casey Murch**

**Taylor E. Nielsen**

**Anthony J. Nolan**

**Joseph M. Popp**

**Luke W. Rable**

•• **Katelin Revier**

• **Brooke A. Ruebke**

**Melanie Schacher**

**Scott Schuler**

**Camden J. Sharp**

**Anna D. Stroup**

**Aimee L. Sugden**

**Douglas E. Szklarski**

**Bret R. Ustipak**

**Justin M. Van Keulen**

**Christian J. Watson**

• **Zaid I. Yunis**

• **Amanda K. Yurecko**



# COLLEGE OF BUSINESS

Candidates will be presented by Dean Scott Beaulier and marshaled by Dr. David Hong.

## MASTER OF SUPPLY CHAIN MANAGEMENT

**Kasey J. Adams**  
**Devin J. Carter**  
**Logan Hatfield**  
**Michael Scott**

## MASTER OF ACCOUNTANCY

**Grace N. Drewicke**  
**Katelyn A. Duppong**  
**Joseph J. Errett**  
**Miranda K. Letzring**  
**Blake Martie**

## MASTER OF BUSINESS ADMINISTRATION

**Laura L. Eberhardt Thornton**  
**Preston G. Hoepfner**  
**Brittany J. Hofmann**  
**Md Risalatul Hoque**  
**Emily F. Hughes**  
**Paige N. Krodel**  
**Isaac Mohr**  
**Brandon J. Reber**  
**Isaiah J. Seefried**  
**Daniel Tawiah**  
**Isaac D. Wilson**  
*Agribusiness*  
**Carson R. Yaggie**  
*Agribusiness*

## MASTER OF SCIENCE

**Noah J. Carlson**  
*Business Analytics*  
**Margaret Githua**  
*Business Analytics*  
**Imran Mahmud**  
*Business Analytics*  
**Danica L. McDonald**  
*Business Analytics*  
**Andrew Sandberg**  
*Business Analytics*

## BACHELOR OF SCIENCE

**Zamzam M. Abdi**  
*Finance*  
**Jacob M. Ament**  
*Finance*  
• **Shaylee G. Andel**  
*Finance*  
•• **Brock B. Anderson**  
*Business Administration*  
•• **Elizabeth G. Anderson**  
*Management*

## **Lauryn F. Andre**

*Finance*

## **Alexis L. Bachmeier**

*Business Administration*

## ••• **Miranda M. Barraza**

*Accounting*

## •• **Emily D. Bauer**

*Management*

## **Jarret R. Bauer**

*Business Administration*

## **Ellie I. Bawek**

*Marketing*

*Global Business*

## ••• **Alexis L. Betz**

*Business Administration*

## **Connor J. Bjellum**

*Business Administration*

## **Evan D. Blackwell**

*Business Administration*

## **Jacob M. Boehm**

*Business Administration*

## **Elliott J. Boman**

*Business Administration*

## **Alexander J. Bonete-Cortez**

*Marketing*

## **Madeline G. Boren**

*Business Administration*

## • **Hudson H. Bradley**

*Finance*

## **Jacob N. Brindley**

*Marketing*

## **Carter J. Brown**

*Business Administration*

## **Walker S. Bruns**

*Business Administration*

## •• **Eric G. Buckley**

*Accounting*

*Finance*

## **Tristan Bush**

*Business Administration*

## ••• **Emily K. Chamberlain**

*Marketing*

## • **Parker D. Clavin**

*Finance*

## **Tyler R. Copeland**

*Accounting*

## **Clara M. Counts**

*Business Administration*

*Global Business*

## **Jordan L. Coyle Draeger**

*Business Administration*

## •• **Riley T. Cronen**

*Accounting*

## •• **Jack M. Deconcini**

*Accounting*

*Finance*

## **Sawyer J. Degen**

*Business Administration*

## **Charles T. Dinnis**

*Marketing*

- **Dylan J. Droegemueller**  
*Finance*
- Mitchell K. Dufault**  
*Finance*
- Brittany Dykema**  
*Business Administration*
- Jacob D. Elwell**  
*Marketing*
- **Emmalee J. Enevoldsen**  
*Marketing*  
*Management*
- Broc A. Evenson**  
*Management*
- **Sheldon K. Feland**  
*Business Administration*
- Bradley A. Fergel**  
*Business Administration*
- **Eric J. Fettig**  
*Accounting*
- Kirstan L. Finn**  
*Finance*
- **Dylan M. Fleck**  
*Finance*
- Brendan P. Formanek**  
*Marketing*
- George T. Garrison**  
*Finance*
- Thomas D. Geary**  
*Business Administration*
- **Colin J. Geyer**  
*Finance*  
*Accounting*
- Noah N. Gindorff**  
*Accounting*
- Alexis A. Gooselaw**  
*Accounting*
- **Connor R. Gradin**  
*Finance*
- Chandler P. Gramm**  
*Marketing*
- **Holly J. Grandalen**  
*Accounting*
- **Cole S. Grossman**  
*Finance*
- Wyatt P. Haiby**  
*Business Administration*
- **Andrew J. Hanson**  
*Management Information Systems*
- Hassan A. Hassan**  
*Management*  
*Global Business*
- Dylan M. Hedeem**  
*Accounting*
- **Kia S. Herr**  
*Management*
- Matthew W. Hildebrant**  
*Business Administration*
- Cody J. Hines**  
*Marketing*
- Joseph Hofmann**  
*Marketing*
- Mason J. Hofstedt**  
*Finance*
- Cassandra M. Holzer**  
*Business Administration*
- **Kristin J. Hormann**  
*Accounting*

- Nicholas Houim**  
*Finance*
- **Madeline K. Hushagen**  
*Business Administration*
- Peter J. Isais**  
*Management*
- Kula Jallah**  
*Accounting*
- **Brett J. Jarman**  
*Business Administration*
- Dillon P. Johnson**  
*Finance*
- **Lane Johnson**  
*Management*
- McKenzie J. Johnson**  
*Business Administration*
- Ryan T. Jordan**  
*Marketing*
- Jacob E. Kava**  
*Marketing*
- **Devon J. Kelly**  
*Management*
- **Molly E. Kerr**  
*Management*
- **Abby Kiesow**  
*Accounting*
- Nathan A. Klemann**  
*Business Administration*
- Phillip J. Kleven**  
*Business Administration*
- **Julia A. Koppang**  
*Finance*
- **Thomas A. Krause**  
*Finance*  
*Marketing*
- **Paige N. Krodell**  
*Business Administration*
- Jack W. Kuhlman**  
*Marketing*
- Emilio J. Lamba**  
*Business Administration*
- **Alicia M. Larsgaard**  
*Business Administration*
- **Connor D. Laughridge**  
*Marketing*
- Jacob M. Lester**  
*Management Information Systems*
- **Austin J. Linn**  
*Marketing*
- Darion L. Love Jr.**  
*Management*
- Pengyu Lu**  
*Accounting*
- **Xinyu Lu**  
*Accounting*  
*Finance*
- Preston J. Maas**  
*Finance*
- Jacob G. McCarthy**  
*Finance*
- **Brian C. McDermott**  
*Marketing*
- **Sara M. McGinness**  
*Business Administration*
- **Piper M. Mikkelsen**  
*Business Administration*
- **Carolyn E. Mullenhour**  
*Accounting*

- Jayden D. Nicholson  
*Management Information Systems*
- Grace C. Novack  
*Marketing*  
*Global Business*
- Bailey M. Olson  
*Accounting*  
*Business Administration*
- Alayna C. Osterman  
*Business Administration*
- Brian S. Paulson  
*Marketing*
- Scott J. Pederson  
*Marketing*
- Michaela R. Pentecost  
*Accounting*
- Danell M. Phelps  
*Business Administration*
- Ethan T. Phung  
*Accounting*
- Jayden L. Price  
*Marketing*
- Andrew J. Qualley  
*Business Administration*
- Jacob B. Radke  
*Finance*
- Daniel J. Reimers  
*Finance*
- William R. Roberts  
*Finance*
- Sydney R. Sanford  
*Marketing*
- Kyle T. Schultz  
*Accounting*
- Shawn M. Schwandt  
*Management Information Systems*
- Isaiah J. Seefried  
*Finance*

- Jennifer L. Sprengeler  
*Accounting*
- Jared W. Staiert  
*Management*
- Casey J. Stavenger  
*Business Administration*
- Al A. Subramanian  
*Marketing*
- Megan A. Swanson  
*Accounting*
- Destin D. Talbert  
*Finance*
- Braden A. Thompson  
*Finance*
- Nicholas L. Tiemens  
*Marketing*
- Joseph P. Timm  
*Marketing*
- Phillip M. Trenne  
*Management Information Systems*
- Andrew C. Twedt  
*Finance*
- Mckenna P. Wain  
*Marketing*  
*Global Business*
- Umer Wasim  
*Business Administration*
- Nathan T. Wilm  
*Finance*
- Colton J. Wolbrink  
*Finance*
- Karlee N. Zablotney  
*Accounting*
- Justin Zeich  
*Management Information Systems*
- Jacob S. Zetocha  
*Management*

# COLLEGE OF ENGINEERING

Candidates will be presented by Dean Michael Kessler and marshaled by Dr. Scott Pryor.

## DOCTOR OF PHILOSOPHY

**Ullah Al Habib** *Mechanical Engineering*

“Dynamics of Stall Phenomena Over Pitching  
Finite-Aspect-Ratio Swept”

Adviser: Dr. Jordi Esteveadeordal

**Alex V. Davila Frias** *Industrial and Manufacturing  
Engineering*

“Some Studies on Reliability Analysis of Complex  
Cyber-Physical Systems”

Adviser: Dr. Om Yadav

**Jingyan Fu** *Electrical and Computer Engineering*

“Memristor Based On-chip Neural Network”

Adviser: Dr. Danling Wang

**Ademola Monsur Hammed** *Agricultural and  
Biosystems Engineering*

“Process Development for Effective, Recoverable  
and Reusable Magnetic Nanobiocatalysts for  
Biomass Hydrolysis”

Adviser: Dr. Pryor Scott

**Christopher B. Hill** *Civil Engineering*

“Systemic Analyses and Indicators for Assessing  
Risks to Drinking”

Adviser: Dr. Eakalak Khan

**Dayakar Naik Lavadiya** *Civil Engineering*

“Neutral Networks and Sensitivity Analysis for  
Detection and Interpretation of Structural Damage”

Adviser: Dr. Ravi Yellavajjala

**Sayantica Pattanayak** *Computer Science*

“Addressing the Challenges in Data privacy and  
Security : various approaches to secure raw data”

Adviser: Dr. Simone Ludwig

**Hizb Ullah Sajid** *Civil Engineering*

“Post-fire Damage and Corrosion in Structural  
Steels: Characterization and Prevention”

Adviser: Dr. Ravi Yellavajjala

**Xingyu Wang** *Civil Engineering*

“Carbon-Based Nanoparticle Reinforced  
Composite Toward Protective Coating for Metallic  
Infrastructure: Mechanism, Characterization,  
Fabrication, and Behavior”

Adviser: Dr. Zhibin Lin

**Ruihang Zhang** *Mechanical Engineering*

“Experimental Studies of Pulsatile Flow  
Characteristics of Aortic”

Adviser: Dr. Yan Zhang

## MASTER OF CONSTRUCTION MANAGEMENT

**Damien A. Pearce**

**Dharmin A. Shah**

## MASTER OF ENGINEERING

**Alex J. Milender**

*Electrical and Computer Engineering*

## MASTER OF SCIENCE

**Md Abdullah-Al-Rahim**

*Industrial Engineering and Management*

**Wafa Aljasser**

*Computer Science*

**Salim Almutairi**

*Computer Science*

**Jayasimha Reddy Ambati**

*Computer Science*

**Vamshikrishna Burugupalli**

*Computer Science*

**Joshua DeNio**

*Computer Science*

**Nicholas S. Dusek**

*Computer Science*

**Adikie E. Essegbey**

*Construction Management*

**Nazrin Ferdousi**

*Computer Science*

**Diego J. Gris**

*Agricultural and Biosystems Engineering*

**Anunay Gupta**

*Industrial Engineering and Management*

**Anookhya Mulakalapalli**

*Computer Science*

**Dallas J. Patton**

*Mechanical Engineering*

**Raihan Quader**

*Industrial Engineering and Management*

**Ashwini R. Rajpalem**

*Construction Management*

**Ranjan Sapkota**

*Agricultural and Biosystems Engineering*

**Kulwinder K. Sarao**

*Computer Science*

**Kamal Raj Upadhaya**

*Civil Engineering*

**Muhammad Usman Sarwar**

*Computer Science*

**Shreya Singh**

*Computer Science*

**Dibyanshu Tibrewal**

*Computer Science*

MASTER OF SOFTWARE  
ENGINEERING  
**Navdeep K. Mangat**

BACHELOR OF ARTS  
**Jacob P. Graupmann**  
*Computer Science*

BACHELOR OF SCIENCE  
**Carter T. Bumby**  
*Computer Science*  
*Mathematics*

- **Hudson J. Dahly**  
*Computer Science*
- **Carter J. DeWolfe**  
*Computer Science*
- **Alison J. Gonser**  
*Computer Science*
- **Matthew T. Greatens**  
*Computer Science*  
*Mathematics*
- Tyler C. Hagert**  
*Computer Science*
- **Elizabeth R. Hurteau**  
*Computer Science*
- Michael L. Kasper**  
*Computer Science*
- Michael A. Leeseberg**  
*Computer Science*
- Connor M. Marchus**  
*Computer Science*
- **Dylan J. Martie**  
*Computer Science*
- **Joshua D. Molden**  
*Computer Science*
- **Thanh Nguyen**  
*Computer Science*
- **Meagan A. Olson**  
*Computer Science*
- **James M. Palmer**  
*Computer Science*
- Nathan J. Rohrer**  
*Computer Science*
- Dustin D. Sampson**  
*Computer Science*
- Tongxin Shi**  
*Computer Science*
- Samuel M. Silverberg**  
*Computer Science*
- Dylan R. Smith**  
*Computer Science*
- Logan J. Steffen**  
*Computer Science*
- Noah B. Swanson**  
*Computer Science*
- **Elliot Thompson**  
*Computer Science*
- Catharine L. Vetter**  
*Computer Science*
- Leo J. Wilczek**  
*Computer Science*
- **Daniel J. Willenbring**  
*Computer Science*

BACHELOR OF SCIENCE  
IN AGRICULTURAL AND  
BIOSYSTEMS ENGINEERING  
**Alex J. Frisch**  
**Cody R. Henne**  
**Seth S. Kjellberg**  
**Cody L. Mauch**  
**Joshua L. Stuehrenberg**  
**Spencer R. Sweeney**  
**Cody J. Wagner**  
**Caleb M. Weinand**

BACHELOR OF SCIENCE  
IN CIVIL ENGINEERING

- **Ibrahim N. Abdullah**
- **Danielle E. Algera**
- **Samantha J. Baker**  
**Mary Balek**  
**Tanner L. Blinsky**
- **Alex N. Haag**  
**Jamie L. Hammer**  
**Scott M. Heinecke**  
**Alexander E. Huseby**
- **Wesley C. Kaeter**  
**Kody M. Kalamaha**  
**Jackson N. Kamrud**  
**Andrew J. Kessel**  
**Emily J. Kiefat**  
**Connor M. Kontz**  
**Sidney A. Mann**  
**Kelly L. Olson**  
**Thomas G. Olson**  
**Nicholas Peterson**  
**Justin R. Pritchett**  
**Thomas H. Rasmussen**  
**Scott R. Rings**  
**Daniel A. Roegiers**  
**Joseph C. Rosenquist**  
**Samuel D. Troumbly**
- **Daria R. Turgeon**

BACHELOR OF SCIENCE  
IN COMPUTER ENGINEERING

- Nathan R. De Venecia**  
**Aidan M. Farnen**  
**William D. Halfmann**
- **Thomas A. Hoskins**  
**Allison Marcus**  
**Andrew J. Miller**  
**Jacob Nelson**
- **Joran D. Oien**  
**Joseph A. Rocha Jr.**

BACHELOR OF SCIENCE  
IN CONSTRUCTION ENGINEERING

- **Emma E. Forcier**
- **Justin A. Heimkes**  
**Blake A. Meyer**  
**Aumed Ramadhan**

BACHELOR OF SCIENCE  
IN CONSTRUCTION MANAGEMENT

- Brandon J. Alexander
- Justin J. Becker
- Adam J. Fritz
- Brant W. Johnson
- Erik D. Kemmer
- Jay S. Kohls
- Kaitlyn B. Lentz
- Trevor J. Loidolt
- James D. Ludowese
- Kolton J. Mullenbach
- Tanner W. Olson
- Damien A. Pearce
- Brady L. Schmiess
- Ethan J. Swirtz
- Jacob D. Thomas

BACHELOR OF SCIENCE  
IN ELECTRICAL ENGINEERING

- Abdullah I. Almosalami
- \*\*\* Julia G. Arntson
- \*\* Lucas C. Bender
- Alex R. Bristol
- Joel Curoe
- Zoe J. Finkelson
- Max N. Gleason
- Joel C. Grommehs
- Brandon H. Hansen
- \*\* Preston Hart
- Justin B. Hersch
- Tucker D. Houska
- Abdi B. Ismail
- Marcus J. Kennedy
- Noah R. Kowalski
- Christine A. McMakin
- \*\* Mackenzie A. Ostlie
- \*\* Jamison J. Quanbeck
- \*\*\* Samuel M. Richman
- Joseph A. Rocha Jr,
- \*\*\* Nicolas B. Rohrich
- Karl A. Stein
- \*\* James T. Utke
- Noah Vandal
- Abby N. Voigt
- Rachel L. Wright

BACHELOR OF SCIENCE  
IN INDUSTRIAL ENGINEERING  
AND MANAGEMENT

- Abdirizak M. Abdikadir
- Brady D. Anderson
- \*\* Megan E. Girard
- Dominic E. Heazlett
- Nathan E. Hegstad
- \*\*\* Will D. Odland
- \*\* Dominic S. Schlangen
- \*\* Alexis K. Summers
- \*\* Betsy K. Surver

BACHELOR OF SCIENCE  
IN MANUFACTURING ENGINEERING

- Heinz W. Ahlers
- Mason Campion
- Timothy R. Erickson
- Parker A. Ortey
- Christopher J. Reller

BACHELOR OF SCIENCE  
IN MECHANICAL ENGINEERING

- David S. Anderson
- Seth Anderson
- \*\*\* Drew J. Asche
- Nicholas J. Beaver
- Dylan P. Burns
- Tyler J. Chaika-Gennow
- \*\*\* Shannon R. Craven
- Tyler Dahle
- Rebecca G. Determan
- Mitchell J. Diederichs
- Joshua P. Dockter
- \*\* Seth M. Dostal
- Kyle A. Ekholm
- \*\* Jacob A. England
- Allison J. Fawver
- Laura A. Friedmann
- Takoda W. Germain
- Daniel Gerner
- \*\*\* Keegan G. Haus
- Alexander S. Helgeson
- \*\* William M. Jacobson
- Colton J. Jarvinen
- Carl J. Johnson
- \*\* Cole D. Johnson
- \*\* Nicholas A. Johnson
- Avery L. Jorgensen
- Michael J. Kodluboy III
- \*\* Lucas A. Kostelecky
- \*\* Zachary F. Kuhn
- \*\* Anjali K. Kumar
- Benjamin C. Lapp
- Neal F. Larcom
- Kade Leier
- Kaden J. Leier
- Tyson A. Lubben
- Adam M. Lucek
- Ryan D. Maier
- Canton Matson
- Michael C. McIntee
- \*\* Kody M. Neu
- James B. O'Neal
- Daniel V. Paulus
- Sean M. Perry
- Noah A. Person
- Ewald M. Petersen
- Zachary Posch
- John T. Rafferty
- Christopher H. Ratajczak
- \*\* Christian R. Ressler
- \*\*\* Andrew A. Schafer
- \*\* Hunter D. Smith
- Jackson H. Somsen
- Jacob R. Spanier
- Adam J. Stellmach
- \*\* Charles P. Thielman
- Joshua Thompson

- Jared C. Tilton  
Samuel R. Titcomb
- Minh Tran  
James R. Worden
- Callan M. Wright
- Zackary W. Zborowski
- Nathan D. Zierden  
Michalie S. Zilmer  
Benjamin A. Zipoy



# COLLEGE OF HEALTH PROFESSIONS

Candidates will be presented by Senior Associate Dean Daniel Friesner and marshaled by Angela MacAdams.

## DOCTOR OF PHILOSOPHY

**Harshit P. Shah** *Pharmaceutical Sciences*

“Determination of Growth Inhibitory Effect  
of Iminodibenzyl Against Breast Cancer”  
Adviser: Dr. Sathish Venkatachalem

## MASTER OF PUBLIC HEALTH

**Murphy L. Anderson**

**Sargam Ghimire**

**Elise J. Johnson**

**Nkolika U. Nwankwo**

**Kayla M. Renney**

**Ariana M. Zook**

## BACHELOR OF SCIENCE

- **Hajaj D. Alharbi**  
*Respiratory Care*
- **Hussien A. Bare**  
*Respiratory Care*  
**Michaela H. Englund**  
*Respiratory Care*  
**Callie L. Grosz,**  
*Pharmaceutical Sciences*
- **Hedaya K. Jaffal**  
*Respiratory Care*  
**Savana C. Loberg**  
*Respiratory Care*
- **Madison L. Mayer**  
*Health Services*  
**Jennifer A. McDilda**  
*Pharmaceutical Sciences*
- **Suman Monger**  
*Respiratory Care*
- **Sophia Munns**  
*Respiratory Care*
- **Jessica D. Nystad**  
*Respiratory Care*  
**Alena R. Rousseau**  
*Health Services*
- **Lexy K. Wittmayer**  
*Respiratory Care*

## BACHELOR OF SCIENCE IN NURSING

- **Angela J. Abel**
- **Paul C. Allen**
- **Kelby R. Anderson**  
**Kari Austad**  
**Madisyn L. Bargmann**  
**Harriette Z. Beah**  
**Madalyne N. Beavers**
- **Brady M. Beer**  
**Delani L. Berger**
- **Reed R. Bergman**  
**Samantha B. Bergrud**  
**Brooke E. Boehm**

- Jazlyn K. Brossart**
- Stephanie K. Carter**
- Tallysa R. Carufel**
- Tanya M. Clemenson**
- **Catherine J. Comis**  
**Emma Daniels**
- **Kaylijah S. Dau**  
**Chelsie L. Deibert**  
**Mackenzie R. Depew**  
**Erin F. Elgaard**  
**Brianna K. Eli**  
**Adrianna N. Ennen**  
**Madison S. Erickson**
- **Stephanie E. Esserwein Lipson**  
**Madison F. Feist**
- **Sarah Fiske**  
**Jenna M. Fitterer**
- **Abigail Flaa**  
**Teresa Flanagan**
- **Kori C. Forsell**  
**Amy Frebault**
- **Meghan T. Friese**  
**Clare Friis**  
**Kaitlynn M. Fuhrman**  
**Joyce J. Giciro**  
**Madelynn R. Haider**  
**Jillian L. Hammer**
- **Faith M. Hapka**  
**Kaitlyn P. Helgeson**
- **Bailey J. Holter**  
**Camille V. Hopkins**
- **Ashton J. Iszler**  
**Daija Jester**  
**Alyssa D. Job**  
**Courtney Johnson**  
**Elisa M. Johnson**  
**McKayla N. Johnson**  
**Paige M. Kaseman**  
**Stella P. Kjelland**
- **Kylee R. Klimpke**  
**Sarah A. Kliner**
- **Rylee N. Kraft**
- **Madison R. Krause**
- **Jayma R. Kvale**  
**Lexus P. LaMotte**
- **Lynsee S. Langsdon**
- **Shiori L. Legate**
- **Allison Leik**
- **Rileigh A. Leininger**  
**Annie S. Lorenson**  
**Mariah W. Martin**
- **Taylor L. Martin**  
**Kellie S. McGinn**
- **Cynthia L. McKeever**  
**Jessica N. Meyer**  
**Deana R. Montgomery**  
**Sumeja Mujanovic**  
**Benjamin W. Nelson**  
**Chasidy J. Nelson**

Grace E. Noyes  
 Nikiyah Ofili  
 •• Sydney N. Olofson  
 •• Emily Omvig  
 • Carmen F. Pederson  
 Amanda N. Pfennig  
 Erin M. Puttonen  
 Elizabeth Y. Rauser  
 Lauren Rautio  
 ••• Kathryn Roberts  
 Randi J. Rodgers  
 Alanna L. Rohweller  
 Breanna M. Ruud  
 •• Grace N. Scheving  
 Quinn M. Schwartzkopf  
 Paige V. Schweitzer

• Emily A. Serratore  
 • Maggie L. Smith  
 Erika A. Stahlman  
 • Hayley M. Staska  
 Sydney L. Stork  
 •• Kaylee M. Stulz  
 Kasey D. Susag  
 Anna E. Thomas  
 Kimberly Thornton  
 Crystal M. Tieszen  
 Jennifer M. Townsend  
 Sienna M. Vizenor  
 Nicole Wojcik  
 Jessica R. Woodworth  
 Benjamin M. Yantes  
 Petra L. Young

# COLLEGE OF HUMAN SCIENCE AND EDUCATION

Candidates will be presented by Co-Interim Deans Jill Nelson and Jim Deal and marshaled by Dr. Elizabeth Hilliard.

## DOCTOR OF PHILOSOPHY

**Emily M. Berg** *Education*

“Generational Perspectives on Responses to Toxic  
Leadership in the Modern Workplace: A Q  
Methodological Study”  
Adviser: Dr. Brent Hill

**Jodi C. Ost** *Education*

“Does Matter Really Matter to Graduate  
Students?”  
Adviser: Dr. Brent Hill

## MASTER OF EDUCATION

**Karen R. Arnold**

*Educational Leadership*

**Katheryine A. Babcock**

*Educational Leadership*

**Van J. Bardell**

*Educational Leadership*

**Chelbie N. Bohl**

*Educational Leadership*

**Alyssa J. Caya**

*Educational Leadership*

**Sara M. Clemens**

*Extension Education*

**Marc K. Counterman**

*Educational Leadership*

**Ashley Cruz**

*Family and Consumer Sciences Education*

**Abby J. DuBord**

*Educational Leadership*

**Lacey N. Eckroth**

*Educational Leadership*

**Molly L. Enockson**

*Educational Leadership*

**Erin M. Finneman**

*Educational Leadership*

**Kelli R. Gard**

*Family and Consumer Sciences Education*

**Brady J. Gudgel**

*Educational Leadership*

**LeAnn E. Heid**

*Education*

**Pamela A. Heinemeyer**

*Educational Leadership*

**John Heinrich**

*Educational Leadership*

**Nicholas K. Hornbacher**

*Educational Leadership*

**Stephen K. Kessler**

*Educational Leadership*

**Jordan E. King**

*Educational Leadership*

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**Sarah J. Zainhofsky**

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## MASTER OF SCIENCE

**Heather P. Brinkerhoff**

*Dietetics*

**Angela M. Dragseth**

*Human Development and Family Science*

**Molly E. Griep**

*Health, Nutrition and Exercise Science*

**Torrie M. Nuxoll**  
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*Health, Nutrition and Exercise Science*  
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*Advanced Athletic Training*  
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*Health, Nutrition and Exercise Science*

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**Charles R. Aakre**  
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*Health Education*  
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**Haley B. Ashpole**  
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*Human Development and Family Science*  
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**Irene S. Buhendwa**  
*Human Development and Family Science*  
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*Family and Consumer Sciences Education*  
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*Family and Consumer Sciences Education*  
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*Family and Consumer Sciences Education*  
**• Ryan C. Christianson**  
*Biological Sciences Education*  
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*Dietetics*  
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*Human Development and Family Science*  
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*Human Development and Family Science*  
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*Sport Management*  
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**••• Anastasia G. Glaeske**  
*Apparel, Retail Merchandising and Design*

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*Human Development and Family Science*  
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*Sport Management*  
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**Lauren A. Kingston**  
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*Human Development and Family Science*  
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*Human Development and Family Science*  
**Manuel Matos Jr.**  
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*Human Development and Family Science*

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*Human Development and Family Science*

\*\*\* **Kathryn Roberts**

*Human Development and Family Science*

**Sarah L. Rocheleau**

*Human Development and Family Science*

\*\*\* **Morgan L. Rolfsrud**

*Human Development and Family Science*

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*Human Development and Family Science*

**Matthew D. Schick**

*Sport Management*

**Skyler Schmitz**

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**Emily I. Schwengler**

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• **Erin L. Smith**

*Apparel, Retail Merchandising and Design*

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*Social Science Education*

**Noah S. Stoerzinger**

*Hospitality and Tourism Management*

**Justin T. Streifel**

*Human Development and Family Science*

**Abigail R. Terfehr**

*Human Development and Family Science*

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*Social Science Education*

**Jenny Thor**

*Human Development and Family Science*

**Aaron R. Toth**

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**Jordyn M. Tulenchik**

*Human Development and Family Science*

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*Human Development and Family Science*

**Michael J. Tutsie**

*Physical Education*

**Mia E. Velasquez**

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**Kaci R. Walvatne**

*Human Development and Family Science*

**Lucas M. Weber**

*Mathematics Education*

**Nicholas S. Wiechmann**

*Sport Management*

**Mackenzie Weinberger**

*Human Development and Family Science*

**Samantha J. Weng**

*Human Development and Family Science*

\*\*\* **Grace M. Zeltinger**

*Mathematics Education*

# COLLEGE OF SCIENCE AND MATHEMATICS

Candidates will be presented by Dean Kimberly Wallin and marshaled by Dr. Ron Degges.

## DOCTOR OF PHILOSOPHY

**Lina A. Alhalhooly** *Physics*

“Biophysical Characterization of Living Cells and Membrane Receptors by Atomic Force Spectroscopy”

Adviser: Dr. Yongki Choi

**Eid Alotaibi** *Statistics*

“Proposed Nonparametric Tests for the Umbrella Alternative in a Mixed Design for Location and Location-Scale Testing”

Adviser: Dr. Rhonda Magel

**Shantanu Awasthi** *Mathematics*

“First Exit-Time Analysis for an Approximate Barndorff-Nielsen and Shephard Model with Stationary Self-Decomposable Variance Process”

Adviser: Dr. Indranil Sengupta

**Melissa C. Duchsherer** *Mathematics*

“Results on Semicrossed Products and Related Algebras”

Adviser: Dr. Benton Duncan

**Courtney C. Grula** *Biological Sciences*

“The Influence of Body Size on Metabolic Rates, Scaling, Telomere Dynamics, and Metamorphosis in Megachilid Bees”

Adviser: Dr. Julia Bowsher

**Rachel L. Salter** *Biological Sciences*

“An Investigation of Student Understanding and Acceptance of Evolution”

Adviser: Dr. Jennifer Momsen

**Ibrahim Soumare** *Statistics*

“Modified Permutation Test for Analyzing Differential Gene Expression in RNA-seq Data”

Adviser: Dr. Rhonda Magel

**Timothy J. Twohig** *Physics*

“Thin Film and Capillary Interactions”

Adviser: Dr. Andrew Croll

**Qian Wen** *Statistics*

“On Lasso Estimation of Linear Mixed Model for High Dimensional Longitudinal Data”

Adviser: Dr. Gang Shen

**Tiwei Zhu** *Statistics*

“Proposed Non-Parametric Tests for Equality of Location and Scale Against Ordered Alternatives”

Adviser: Dr. Rhonda Magel

## MASTER OF SCIENCE

**Sejaa Y. Al-Badrani**

*Chemistry*

**Alexander R. Delgado**

*Biological Sciences*

**Roberta L. Irvin**

*Psychology*

**Yuan Liu**

*Applied Statistics*

**Daniel Palmer**

*Applied Statistics*

**Kristen L. Patnode**

*Coatings and Polymeric Materials*

**Preetpal Singh**

*Biological Sciences*

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*Biological Sciences*

## BACHELOR OF SCIENCE

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*Biological Sciences*

**David M. Arneson**

*Biological Sciences*

**Dacotah J. Blanchard**

*Psychology*

• **Collin J. Boetel**

*Biochemistry and Molecular Biology*

**Rachel L. Bring**

*Biological Sciences*

••• **Zachary C. Bueling**

*Biological Sciences*

**Peter J. Buggert**

*Psychology*

**Devin Bush**

*Biological Sciences*

**Vincent L. Campanale**

*Mathematics*

**Brittany A. Canham**

*Biological Sciences*

**Sydney G. Cartie**

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•• **Emma J. Christensen**

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**Kelsey A. Colwell**

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**Blythe W. Ehrmantraut**

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**Raya M. Erickson**

*Psychology*

**Montana R. Evavold**

*Psychology*

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*Psychology*

•• **Taylor A. Freeman**

*Psychology*

**Samantha R. Frojen**

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*Psychology*
- Jackson R. Haug**  
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*Biological Sciences*
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*Biological Sciences*
- **Claire E. Hennum**  
*Biological Sciences*
- Hannah D. Jensen**  
*Psychology*
- Isabel Kallmeyer**  
*Biological Sciences*
- Sidney J. Kaufman**  
*Biological Sciences*
- **Elizabeth Kieffer**  
*Biological Sciences*
- **Rachel R. Kisse**  
*Biological Sciences*
- **Shawnia Klug**  
*Psychology*  
*English*
- **Jessica L. Lanoue**  
*Biological Sciences*
- **Glen Lee**  
*Biochemistry and Molecular Biology*
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*Psychology*
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*Biological Sciences*  
*Microbiology*
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*Psychology*
- Paige Martinson**  
*Psychology*
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*Biological Sciences*  
*Psychology*
- Heather L. Morgan**  
*Psychology*
- **Megan M. Nelson**  
*Biological Sciences*
- **Aaron W. Neshem**  
*Statistics*
- Michael J. Noah**  
*Physics*  
*Mathematics*
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*Psychology*
- Thomas C. Ohmann**  
*Biological Sciences*
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*Biological Sciences*
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*Psychology*  
*Economics*
- Carolyn M. Poppke**  
*Biological Sciences*
- **Todd D. Pottinger**  
*Biological Sciences*
- **Halie Raj**  
*Biological Sciences*
- Kansas Ree**  
*Psychology*
- **Katelyn M. Rogotzke**  
*Psychology*
- **Sierra R. Romero**  
*Psychology*  
*English*
- Micaela R. Rud**  
*Psychology*
- Hajara Salisu**  
*Biological Sciences*
- **Courtney M. Salomonson**  
*Psychology*
- Connor A. Schmit**  
*Chemistry*
- **Ellen S. Schneider**  
*Biological Sciences*
- Sarah E. Seixas**  
*Biological Sciences*
- **McKenna M. Shanfeld**  
*Biological Sciences*
- Ryanne M. Smith**  
*Psychology*
- **Ethan Strom**  
*Biological Sciences*
- **Hayley J. Terhark**  
*Psychology*
- Amy N. Tobias**  
*Biological Sciences*
- Alyson G. Truong**  
*Biological Sciences*
- Jaden J. Van Maanen**  
*Psychology*  
*Sociology*
- Mikenzie B. Vinje**  
*Biological Sciences*
- **Paxten J. Wahlund**  
*Biological Sciences*
- Gabrielle G. Welch**  
*Biological Sciences*
- Connor S. Wieers**  
*Statistics*
- **Samuel Wolf**  
*Mathematics*  
*Computer Science*
- **Tessa Zima**  
*Mathematics*  
*Statistics*
- Zachary H. Zweber**  
*Biochemistry and Molecular Biology*





STUDENT FOCUSED



LAND GRANT



RESEARCH UNIVERSITY



NDSU THEN

North Dakota had been a state a little less than a year when Gov. John Miller signed a bill on March 8, 1890, designating a square mile of land adjoining Fargo as the site of the new campus and demonstration farm under the name, North Dakota Agricultural College.

A commitment to the federal government was honored by establishing a college of agriculture and mechanic arts under the Morrill Act of 1862. The course of studies was to be a harmonious blend of technical and academic subjects.

Known as a people's college, NDSU was part of a bold new experiment to provide access to a college education for the common person. That was how it started.



NDSU NOW

NDSU is a national model of a successful student-focused, land-grant, research institution. The university is a vibrant institution that enrolled more than 12,400 students during fall 2021 in its undergraduate and graduate programs.

NDSU is proud of and committed to its historic land-grant mission, and is ranked by the National Science Foundation (NSF) as North Dakota's only top-100 public research university. In that category, NDSU is 95th in the nation in total research and development expenditures. Research productivity leads the state and in recent years climbed as high as \$156 million as reported to the NSF.

# NORTH DAKOTA STATE BOARD OF HIGHER EDUCATION

<b>Casey Ryan</b> Grand Forks <i>Chair</i>	<b>Elizabeth Legerski</b> Faculty Adviser University of North Dakota
<b>Jill Louters</b> Sheyenne	<b>Gracie Lian</b> Student Member University of North Dakota
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<b>Jeffry Volk</b> West Fargo	
<b>Nick Hacker</b> Bismarck	
<b>John Warford</b> Bismarck	

## NDSU PRESIDENTS

<i>President</i>	<i>Term</i>
Stockbridge, Horace E. . . . .	1890 - 1893
Powers, J. B. (Acting) . . . . .	1893 - 1895
Worst, John H. . . . .	1895 - 1916
Ladd, Edwin F. . . . .	1916 - 1921
Keene, Edward S. (Acting) . . . . .	February - September, 1921
Coulter, John Lee . . . . .	1921 - 1929
Minard, Archibald E. (Acting) . . . . .	July - September, 1929
Shepperd, John B. . . . .	1929 - 1937
West, John C. (Acting) . . . . .	1937 - 1938
Eversull, Frank L. . . . .	1938 - 1946
Sevrinson, Charles A. (Acting) . . . . .	June - July, 1946
Longwell, John H. . . . .	1946 - 1948
Hultz, Fred S. . . . .	1948 - 1961
Hazen, Arlon G. (Acting) . . . . .	1961 - 1962
Albrecht, H.R. . . . .	1962 - 1967
Loftsgard, L.D. . . . .	1968 - 1987
Koob, Robert (Acting) . . . . .	October 1987 - May 1988
Ozbun, J.L. . . . .	1988 - 1995
Plough, Thomas R. . . . .	1995 - 1998
Fischer, Allan G. (Interim) . . . . .	June 1998 - 1999
Chapman, Joseph A. . . . .	1999 - 2009
Hanson, Richard (Interim). . . . .	2009 - 2010
Bresciani, Dean . . . . .	2010 - present

# THE ACADEMIC PROCESSIONAL

The academic processional that officially preludes the Commencement ceremonies on college and university campuses is one of the oldest and most colorful customs that link 21st century education with its early origins.

To signal the achievements of their students, American institutions of higher learning conduct a formal ceremony to award the appropriate degrees earned at the conclusion of prescribed study. The action of taking the degree — baccalaureate, master's or doctorate, as well as the designation of the day itself — is Commencement. Various explanations of the term Commencement are possible. The most likely is that centuries ago the bachelor, originally an apprentice, began an apprenticeship upon that day; and with the degree of M.A. and Ph.D., the masters and doctors commenced their work upon the day their degrees were conferred. So today, students, having finished their preliminary education, set out upon the career for which they have prepared.

## ACADEMIC APPAREL

As cited in *Academic Heraldry in America* (Sheard, 1962), the academic regalia worn at Commencement is of medieval origin. The scholars of Bologna, Salamanca, Paris, Oxford, Cambridge, Louvain and Heidelberg dressed in a manner to distinguish themselves from the merchants and other townspeople. Since the 11th century, when the rise of universities began, “learned clerks” robed themselves in gowns, caps and hoods, thus marking a difference between “town and gown.”

By this apparel they were recognized as belonging to the teaching guild, which was the Guild of the Master of Arts. In this organization, the bachelor was the apprentice of the master. This relationship was the forerunner of today's academic structure.

Today, customs vary in different parts of the world. Generally in Europe, professors wear the type of garment customary in the university where they are lecturing. In the United States, professors continue to wear the gown and hood of the university from which they received their highest degree. The gown, in origin, may have been simply a type of overcoat to protect the teacher from the cold in unheated buildings; the cut or style seems to be derived from ecclesiastical attire. It has usually been black; however, in recent years some institutions have adopted a school color for their gowns. The gowns of bachelors and masters are usually without trimmings of any sort, whereas those of doctors are faced down the front with velvet and adorned with three velvet bars on the sleeves.

The cap or “mortarboard” may have come from the squarish cap worn by the masons of the Middle Ages, or perhaps was suggested by the shape of the books that occupied so much of the scholar's time. Attached to a button atop the “mortarboard” is a tassel. The tassel is worn on the left side by individuals receiving or have received a degree. For photography purposes, a candidate's tassel may be worn on the right side of the mortarboard.

The hood, a triangular fold of cloth worn over the back of the gown, is faced with colors which denote the field of study represented by the wearer's degree; the colors of the lining are those of the college or university that granted the degree. The length of the hood is correspondingly longer with each higher degree.

The wide velvet borders extending down the front of the doctoral gown, the velvet bars on the sleeves and the borders of most hoods, are colored according to the scholarly field of the wearer. The most usual of these doctoral hood colors are the following:

<i>blue violet</i>	Architecture
<i>white</i>	Arts, Letters and Humanities
<i>copper</i>	Economics
<i>light blue</i>	Education
<i>orange</i>	Engineering
<i>brown</i>	Fine Arts
<i>crimson</i>	Communication
<i>purple</i>	Law
<i>lemon</i>	Library Science
<i>pink</i>	Music
<i>dark blue</i>	Philosophy
<i>sage green</i>	Physical Education
<i>salmon pink</i>	Public Health
<i>gold</i>	Science
<i>scarlet</i>	Theology

While the arrangement of colors is pleasing to the eye and add beauty and impressiveness to ceremonial processions, there is historic significance attached to their selection.

The white for arts and letters comes from the white fur of the Oxford and Cambridge B.A. hoods. The red for theology, as used by cardinals for centuries, follows the traditional color of the church. The purple for law comes from the royal purple of the king's courts. The green for medicine, from the stripe in the army surgeon's uniform, and earlier from the color of medicinal herbs.

The degrees in philosophy are shown by blue, the color of truth and wisdom. Science by gold-yellow, which signifies wealth contributed by scientific discoveries. Pink was taken from the pink brocade prescribed for the Oxford doctors of music. Olive, a shade of green, was selected for pharmacy, which is closely allied to

medicine; while russet brown, the color of dress worn by old English foresters, indicates forestry.

Graduate candidates wear a hood colored according to the scholarly field of the wearer.

<i>maize</i>	Agriculture, Food Systems, and Natural Resources
<i>brown</i>	Landscape Architecture and Environmental Design
<i>white</i>	Arts, Humanities and Social Sciences
<i>drab</i>	Business
<i>light blue</i>	Education
<i>orange</i>	Engineering
<i>maroon</i>	Human Development
<i>apricot</i>	Nursing
<i>olive green</i>	Pharmacy
<i>golden yellow</i>	Science and Mathematics
<i>white</i>	University Studies

## UNIVERSITY MACE

The mace has an ancient history of use as a symbol of authority. Originally used by knights or a royal bodyguard to protect a king in processions, the mace evolved to assume more ceremonial functions by the 14th century.

The NDSU institutional mace was created for NDSU's centennial. Dr. Fredrick G. Walsh was appointed by President Loftsgard to help create the mace as the leader of the 1986 centennial committee. The mace was designed by Dr. Walsh's son, Fredrick H. Walsh. It was introduced during President Ozburn's inauguration on Sept. 14, 1989.

Today, the NDSU mace is carried by the stage marshal, the presiding officer of the Faculty Senate, as he leads the president and other platform party dignitaries in commencement processions.

# GRADUATION HONORS

**WITH HONOR:** Graduation with honor applies only to the baccalaureate degree. Graduate courses will not be included in the computation. Candidates who entered NDSU as freshmen and who have earned an institutional grade-point average greater than or equal to 3.5 and less than 3.7 will be graduated Cum Laude, an institutional grade-point average greater than or equal to 3.7 and less than 3.9 will be graduated Magna Cum Laude, and an institutional grade-point average greater than or equal to 3.9 and up to 4.0 will be graduated Summa Cum Laude. All final grades on the NDSU academic record will be included in grade-point average calculations for graduating with honor. The honor medallion is a gold medallion on a yellow ribbon and is worn around the neck. The medallion features the NDSU seal.

Other academic honors include the following:

**ALPHA EPSILON, *national honor society of agricultural, biological and food engineers:*** A double intertwined black and gold honor cord is worn around the neck. To qualify, juniors and seniors in agricultural and biosystems engineering must be in the top one-fourth and one-third, respectively, of their class in the College of Engineering and uphold high standards of character and leadership.

**BETA GAMMA SIGMA, *international business honor society:*** A blue and gold cord is worn around the neck. Students, by class, who qualify are: juniors, top 7 percent; seniors, top 10 percent; and graduate students, top 20 percent.

**BLUE KEY, *national honor society:*** A blue and gold medallion with a blue ribbon is worn around the neck. Blue Key recognizes students for remarkable leadership and outstanding service to the university and the community. Academic achievement of members must be within the top 35 percent of their class.

**ETA KAPPA NU, *the honor society of IEEE:*** A gold cord with blue and red tassels is worn around the neck. IEEE-HKN encourages and recognizes outstanding character, attitude and scholarship among electrical and computer engineers. Students must be in the top fifth of their sophomore class, top quarter of juniors, top third of seniors or graduate students recommended by faculty.

**GAMMA SIGMA DELTA, *international agriculture honor society:*** A forest green and light tan honor cord is worn around the neck. Membership is conferred upon selected students who have demonstrated superior teaching, research or service to agriculture while maintaining a 3.5 grade-point average. Members represent agricultural excellence at the undergraduate, graduate and post-graduate levels.

**GOLDEN KEY, *international honor society:*** A gold medallion on a blue and gold ribbon is worn around the neck. Golden Key recognizes juniors and seniors from all disciplines who are in the top 15 percent of their class.

**LAMBDA BETA HONOR SOCIETY, *national respiratory care honor society:*** A forest green and black ribbon pin is worn on the gown. Members must have completed at least 50 percent of their course work and rank academically in the top 25 percent of the respiratory care class.

**LAMBDA PI ETA, *national communication honorary society:*** A gold cord is worn around the neck. To qualify, members must have a cumulative grade-point average of 3.0 with a 3.25 in their communication major courses.

**MORTAR BOARD, *national honor society:*** A gold medallion is worn around the neck. Mortar Board recognizes college seniors for distinguished ability and achievement in scholarship, leadership and service. Members also must meet at least a 3.0 grade-point average.

**NATIONAL RESIDENCE HALL, *honorary:*** A navy blue honor cord is worn around the neck. To qualify, members must demonstrate leadership and academic qualities within the top 1 percent of the residence hall population.

**ORDER OF OMEGA, *national fraternity and sorority life honorary society:*** A gold stole is worn around the neck. Order of Omega recognizes the top 3 percent of juniors and seniors who have exemplified high standards in the areas of scholarship with a 3.25 grade-point average; and leadership and involvement within their respective organization(s), fraternity or sorority, campus and local community.

**PHI ALPHA THETA, *national history honor society:*** A pale blue and red cord is worn around the neck. Members represent excellence in historical research at all levels: undergraduate, graduate and post-graduate.

PHI ETA SIGMA, *national honor society*:

A black and gold cord worn around the neck. To qualify, students must have a 3.5 institutional grade-point average at the close of any full-time semester during their first year.

PHI KAPPA PHI, *honorary scholastic society*:

A gold stole is worn around the neck. Members are chosen from among students in the top 10 percent of their class.

PHI UPSILON OMICRON (PHI U), *honorary human development and education society*:

Double cords of entwined purple, white and yellow are worn around the neck. Academic achievement must be within the top 35 percent of majors in the field who qualify for membership.

PI LAMBDA THETA, *international education honor society*:

A gold cord is worn over the left shoulder. A division of PDK International, Pi Lambda Theta recognizes undergraduate juniors, seniors and graduate students who are pursuing degrees in education-related fields and who have a cumulative GPA of 3.50 or higher.

PI SIGMA ALPHA, *national political science honor society*:

A cloisonné, medallion on a red ribbon, is worn around the neck. To qualify, students must have a cumulative grade-point average of 3.0 and have a 3.0 grade-point average in all political science courses.

PI TAU SIGMA, *international mechanical engineering honor society*:

A white stole with the Pi Tau Sigma coat of arms is worn around the neck. To qualify, juniors in the mechanical engineering program must be in the top 25 percent of their class; as non-graduating seniors, members must be in the top 35 percent of their class.

PSI CHI, *national psychology honor society*:

A silver stole is worn around the neck. To qualify, members must have a 3.0 cumulative grade-point average, a 3.5 major grade-point average and rank in the upper 35 percent of their class.

RHO CHI SOCIETY, *national pharmacy honor society*:

A purple and white honor cord is worn around the neck. To qualify, members must have completed their second year of the professional program. Membership is offered to the top 20 percent of the class.

SIGMA THETA TAU, *international honor society of nursing*:

An orchid and white cord is worn around the neck. To qualify, members must have a 3.0 grade-point average, rank in the upper 35 percent of their nursing class and meet the expectation of academic integrity.

SIGMA TAU DELTA, *international English honor society*:

A red stole is worn around the neck. Undergraduate members must rank in the top 35 percent of their class. Graduate members must have at least a 3.3 grade-point average.

STUDENT GOVERNMENT: A green and gold cord is worn around the neck. To qualify, members of Student Government must have achieved a 3.0 cumulative grade-point average.

TAU BETA PI, *national engineering honor society*:

A white satin collar with the Bent embroidered in gold is worn around the neck. To qualify as juniors, members must be in the top one-eighth of their engineering class; as seniors, members must be in the top one-fifth of their engineering class.

TAU SIGMA DELTA, *national architecture honor society*:

A white stole with gold embroidery is worn around the neck. To qualify, juniors or seniors must have a 3.0 grade-point average and be in the upper 20 percent of their class.

UNIVERSITY HONORS PROGRAM:

A gold medallion on a green ribbon is worn around the neck. Honors program graduates have completed, in addition to their primary majors, a four-year curriculum of interdisciplinary honors courses and have produced and publicly presented a senior honors thesis.

UPSILON PI EPSILON, *national computer science honor society*:

Medallion with burgundy ribbon is worn around the neck. To qualify, undergraduate students must be upperclass status in the top 35 percent of their class and have a minimum grade-point average of 3.3, with at least a 3.5 grade-point average in 24 or more credits of computer science courses. Graduate students must have at least 18 upper-division computer science credits with a minimum grade-point average of 3.5.

VETERAN HONOR SOCIETY: A red, white and blue braided cord is worn around the neck, adorned with a medallion representing the student's branch of service. To qualify, the student must have at least a 3.0 cumulative grade-point average and represent the North Dakota State University veteran community in a positive way.

# HONORARY DOCTORATES

## 1939

Dean H. L. Bolley, D.Agr.  
C. B. Waldron, D.Agr.

## 1940

Arni Helgeson, D.Agr.  
George Will, D.Sc.  
Philip S. Rose, D.Agr.  
M. L. Wilson, D.Agr.  
Henry H. Kildee, D.Agr.

## 1943

Maj. Gen. James A. Ulio,  
D.Sc. in Mil. Sci.

## 1946

Dr. L. Van Es, D.Agr.

## 1948

O. A. Stevens, D.Sc.

## 1949

Jack Pyle, LL.D.  
Dr. F. L. Hovde, LL.D.

## 1950

J. L. Coulter, D.Sc.  
Alex Lind, LL.D.

## 1951

Clyde H. Bailey, D.Sc.

## 1952

D. Milton Ladd, LL.D.

## 1953

Dr. H. L. Walster, D.Sc.

## 1954

Dean R. M. Dolve, D.Sc.

## 1955

Dean W. F. Sudro, D.Sc.  
Newell P. Beckwith, D.Sc.

## 1956

Roy Johnson, D.Sc.

## 1957

John Haw, D.Sc.

## 1958

Dr. Melvin Brodshaug, Litt.D.  
Duke de Vallombrosa, LL.D.

## 1959

Donald Fletcher, D.Sc.  
James B. Konen, D.Sc.

## 1960

T. E. Stoa, D.Sc.  
Robert B. Parrott, LL.D.

## 1961

E. J. Haslerud, D.Sc.

## 1962

Charles E. Kellogg, D.Sc.  
H. H. Flor, D.Sc.  
George E. Abbott, D.Sc.  
Edward A. Steinhaus, D.Sc.

## 1963

Dr. Irvamae Applegate, D.Sc.  
Dr. Hilton M. Briggs, D.Sc.  
Dr. Patrick H. Costello, D.Sc.  
Dr. James Scott Long, D.Sc.

## 1964

Reuben W. Askanase, LL.D.  
W. B. Baker, LL.D.  
Ernest J. George, D.Sc.  
Clarence F. Kelly, D.Sc.

## 1965

Dr. Marlin George Cline, D.Sc.  
H. Christine Finlayson, D.Sc.  
Justice Samuel Freedman, LL.D.  
Lois Phillips Hudson, Litt.D.  
Alvin A. Johnson, D.Agr.  
Dr. Lyle W. Phillips, D.Sc.  
Brig. Gen. Lawrence F.  
Tanberg, D.Sc.  
Clarice Gullickson Taylor, D.Sc.  
Lawrence Welk, D.Mus.

## 1966

Harold B. Bachman, D.Mus.  
Dr. Leon O. Jacobson, D.Sc.  
Robert Pearson, D.Sc.  
Glenn J. Talbott, D.Agr.  
Vernon O. Trygstad, D.Sc.

## Special Convocation

### Dec. 15, 1966

General Harold K. Johnson,  
L.H.D.

## 1967

Patrick E. Haggerty, D.Sc.  
Dr. E. F. Knipling, D.Sc.  
Dr. Casper I. Nelson, D.Sc.  
Dr. O. Meredith Wilson, L.H.D.

## 1968

C. N. Nelson, D.Sc.  
Charles R. Walgreen Jr., D.Sc.

## During Inaugural

### April 11, 1969

Dr. Clifford M. Hardin, D.Sc.

## 1969

Clifford H. Willson, D.Sc.

## 1970

Gilmore T. Schjeldahl, D.Sc.  
Senator Milton R. Young, D.Sc.

## 1971

Lawrence B. Hall, D.Sc.  
George A. Rogler, D.Sc.

## 1972

Dr. H. R. Albrecht, D.Sc.  
Clyfford Still, D.F.A.

## 1973

William L. Guy, LL.D.  
Dr. G. Wilson Hunter, D.Sc.

## 1974

Miss Mercedes Bates, D.Sc.  
Dr. Reinhard Wolff, D.Sc.

## 1975

Miss Peggy Lee, D.Mus.  
Irwin R. Rector, D.Sc.

## 1976

Paul M. Gallagher, LL.D.  
Thomas S. Kleppe, LL.D.  
Satenig S. St.Marie, LL.D.

## 1977

Albert Doerr, D.Sc.  
Harold Schafer, LL.D.  
Larry Alfred Woiwode, Litt.D.

## 1978

Mark Andrews, LL.D.  
Dr. David Schindler, D.Sc.

## 1979

Roland F. Harding, D.Sc.

## 1980

Quentin N. Burdick, LL.D.  
Dr. Beverly Pfeifer Lynch,  
Litt.D.

## 1981

M. Truman Fossum, D.Sc.  
Louis L'Amour, Litt.D.  
John L. McCormick Jr., LL.D.

## 1982

Katherine K. Burgum, D.Sc.  
Dr. Robert W. Coon, D.Sc.

## 1983

John Rouzie, D.Hum.Litt.

## 1984

Brynhild Haugland, LL.D.



**1985**

Edwin M. Anderson, D.Sc.  
John H. Ladish, D.Sc.

**1986**

James H. Critchfield, D.Sc.  
Richard P. Critchfield, L.H.D.  
William A. Schlossman, LL.D.

**1987**

Robert M. Hendrickson, LL.D.

**1988**

Dr. Marvin E. Jensen, D.Sc.  
Glen J. Schoessow, D.Sc.

**1989**

Ernest G. Anderson, D.Sc.  
Howard M. Olson, D.Sc.

**1990**

Warren B. Diederich, D.Sc.  
Fred B. Scheel, LL.D.  
William J. Grosz, D.Sc.  
David M. Gipp, LL.D.  
C. Warner Litten, LL.D.  
Donald J. Kenna, D.Sc.  
Harold J. Klosterman, D.Sc.  
Anne Stegner, LL.D.  
Glenn S. Smith, D.Sc.  
Stanley W. Bale, D.Sc.

**1991**

Lloyd Thompson, D.Sc.

**1992**

Aldrich C. Bloomquist, D.Sc.  
Harvey K. Nelson, D.Sc.  
Art Bunker, LL.D.

**1993**

Dr. Robert O. Brandenburg,  
D.Sc.  
William C. Marcil, Litt.D.  
George A. Sinner, L.H.D.

**1994**

Jean Mason Guy, L.H.D.  
Peter Schickele, D.F.A.

**1995**

Dr. Jack F. Carter, D.Sc.  
Robert N. Spolum, LL.D.

**1996**

Dr. Philip E. Austin, LL.D.

**1998 May**

Lendal H. Kotschevar, LL.D.  
Ronald D. Offutt, LL.D.

**1998 December**

Dr. James M. Sugihara, D.Sc.

**1999 May**

Alf H. Clausen, D.Mus.  
Dr. R. James Cook, D.Sc.

**1999 December**

Robert C. Dawson, LL.D.

**2000 May**

David W. Bernauer, D.Sc.  
Douglas J. Burgum, LL.D.

**2000 December**

Ervin E. Kaiser, LL.D.

**2001 May**

Dr. A. Catherine Cater, D.F.A.  
Dr. Evelyn R. Morrow  
Lebedeff, LL.D.

**2001 December**

Byron Dorgan, LL.D.

**2002 May**

John Q. Paulsen, LL.D.  
Fred G. Paavola, D.Sc.

**2003 May**

Ian B. Edwards, D.Sc.  
Michael E. Hanson, D.Sc.

**2004 December**

General Charles F. Wald, LL.D.

**2005 May**

James Rosenquist, D.F.A.

**2006 May**

Steve Swiontek, LL.D.

**2006 December**

Russell F. Freeman, LL.D.

**2007 May**

Frank Jennings, LL.D.  
James Meier, D.Sc.

**2007 December**

John Dean, D. Agr.  
Sheldon Ellig, LL.D.  
Harold Newman, LL.D.

**2008 May**

Myron Bright, LL.D.  
Dr. Calvin Fercho, D. Sc.

**2008 December**

Maj. Gen. Darrol G. Schroeder,  
LL.D.  
Maj. Gen. Terry L. Scherling,  
LL.D.

**2009 May**

Robert Challey, LL.D.

**2010 May**

Esther Myers, LL.D.

**2010 December**

Barry Batcheller, D.Sc.

**2012 December**

Gregg Halverson, D.Agr.

**2016 May**

Dr. Myron D. Johnsrud, D.Agr.

**2017 May**

Dr. H. Roald Lund, D.Agr.

**2018 May**

John R. Klai II, D.Hum.Litt.

**2018 December**

Spencer Duin, D.Sc.

**2019 December**

Dr. Berdell Funke, D.Sc.

**2021 May**

Prakash Mathew, D.Hum.Litt.

**2021 December**

William Goetz, D.B.

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## HONORARY DOCTORATES

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**HONORIS CAUSA**

D. Agr.	<i>Agriculture</i>
D.B.	<i>Business</i>
D.F.A.	<i>Fine Arts</i>
D. Hum.Litt.	<i>Humane Letters</i>
D.Mus.	<i>Music</i>
D.Sc.	<i>Science</i>
D.Sc. in Mil. Sci.	<i>Military Science</i>
J.D.	<i>Law</i>
L.H.D.	<i>Humanities</i>
Litt.D.	<i>Letters</i>
LL.D.	<i>Laus</i>

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OH, SAY CAN YOU SEE BY THE DAWN'S EARLY LIGHT,  
WHAT SO PROUDLY WE HAILED AT THE TWILIGHT'S LAST GLEAMING?  
WHOSE BROAD STRIPES AND BRIGHT STARS, THRU THE PERILOUS FIGHT,  
O'ER THE RAMPARTS WE WATCHED, WERE SO GALLANTLY STREAMING?  
AND THE ROCKETS' RED GLARE, THE BOMBS BURSTING IN AIR,  
GAVE PROOF THROUGH THE NIGHT THAT OUR FLAG WAS STILL THERE.  
OH, SAY DOES THAT STAR-SPANGLED BANNER YET WAVE  
O'ER THE LAND OF THE FREE AND THE HOME OF THE BRAVE?

BY FRANCIS SCOTT KEY

# THE STAR-SPANGLED BANNER

## THE YELLOW AND THE GREEN

HO! A CHEER FOR GREEN AND YELLOW  
UP WITH YELLOW AND THE GREEN,  
THEY'RE THE SHADES THAT DECK OUR PRAIRIES  
FAR AND WIDE WITH GLORIOUS SHEEN,  
FIELDS OF WAVING GREEN IN SPRINGTIME  
GOLDEN YELLOW IN THE FALL —  
HOW THE GREAT HIGH-ARCHING HEAVEN  
LOOKS AND LAUGHS UPON IT ALL.

WORDS BY A.E. MINARD  
MUSIC BY DR. C.S. PUTNAM

**NDSU** NORTH DAKOTA  
STATE UNIVERSITY

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